

09/623780

Application/Control Number: 09/623,780

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Art Unit: 2424

### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas Presson on March 22, 2010.

The application has been amended as follows:

In claim 12, line <sup>22</sup>~~23~~, replace "extraction means" with --extraction step--.

### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to USHA RAMAN whose telephone number is (571)272-7380. The examiner can normally be reached on Mon-Fri: 8am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Kelley can be reached on (571) 272-7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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**IN THE SPECIFICATION:**

Please amend the paragraph starting at page 12, line 5, as follows:

-- In the following, embodiments of the ~~resent~~present invention will be in details with reference to the drawings.--

Please amend the paragraph starting at page 14, line 6, as follows:

-- The digital multi-channel service signal sent from the communication satellite 200 will now be explained. In the present embodiment, the digital multi-channel service signal is compatible with a DVB (Digital Video Broadcasting) system. FIG. 6B shows a frame structure of digital broadcasting data in the DVB system, in which eight MPEG2 transport packets (cf. FIG. 6A) constitute one frame. In this case, using the synchronization byte (= 47H) in the packet, the synchronization byte is inverted once for every eight packets to synchronize frames. Each MPEG2 transport packet (MPEG2 TS packet) is added with an error correction code based on ~~READ-REED~~ SOLOMON (204, 188). Digital broadcasting data shown in FIG. 6B is further subjected to convolution coding (the punctured code rate is defined in the case of DVB:  $\frac{1}{2}$ ,  $\frac{2}{3}$ ,  $\frac{3}{4}$ ,  $\frac{5}{6}$ ,  $\frac{7}{8}$ ) in the satellite system. The data is thereafter subjected to QPSK (Quadrature Phase Shift Keying) modulation, and is thereafter subjected to frequency conversion into a transmission frequency band. The data is then transmitted through a communication channel from the communication satellite 200.--

Please amend the paragraph beginning at page 15, line ~~1~~<sup>7</sup> as follows:

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